

Non-alloy heat treatment steel 1.1191 (C45E)

Chemical composition:

C	Si	Mn	S	Other
0,45	0,25	0,65	<0,030	(Pb)

Characteristics:

Components with small heat treatment cross section and low strength.

Use:

Non-alloy construction steel for parts in engine and vehicle construction (general).

Hot forming and heat treatment:

Forging or rolling:	1100 – 850 °C
Normalising:	840 – 880 °C/air
Soft annealing:	680 – 710 °C/furnace
Hardening:	820 – 860 °C/water/oil
Tempering:	550 – 660 °C